

DIVISION 11 MECHANICAL

11020 SECURITY ITEMS

PART 1 – GENERAL

1.1 WORK

- A. Provide and install security items as listed on the **Scope**, per the building code and as specified herein.
- B. Each accessible double hung window within 10' of grade or accessible from a porch, deck, stoop, etc. shall have window locking devices.
- C. See [Section 08710 Hardware](#) for deadbolt and lockset requirements.

1.2 SUBMITTALS

- A. Supply **Owner** with two keys for each newly installed deadbolt or entry lockset.
- B. Supply **Owner** with an adequate number of window locking pins – two per double hung window.

PART 2 – MATERIALS AND PRODUCTS

2.1 MATERIALS

- A. Window pins shall be as manufactured and listed for that purpose. A standard duplex framing nail is an acceptable alternative to a manufactured window pin.
- B. Manufactured window bars are acceptable, otherwise basement window bars may be site fabricated with telescoping conduit bars using 5/8" and larger conduit overlapped a minimum of 3/4 of the overall length of the bar.
- C. Board basement windows as listed in the **Scope** and as specified herein. **NOTE:** The Building Code requires a minimum of two (2) operable basement windows for light and ventilation in each basement.

PART 3 – EXECUTION

3.1 INSTALLATION

- A. Deadbolts and locksets shall be installed as listed in the **Scope** and as specified in [Section 08710 Hardware](#).
- B. Window pins or window locking devices shall be installed as listed in the **Scope**, per manufacturer's specifications, and as specified herein.
 - Holes drilled to accept pins shall be sized to allow for easy installation and removal by others without being oversized.
 - Window pins shall be installed in the upper right and left corners of the lower sash (two pins per double hung window).
 - Two sets of holes are required in the upper sash (note these holes shall not extend through the exterior of the sash). One set of holes allows the window sash to be secured (locked) in a closed position. The second set of holes allows the window to be locked in an open position to provide a 6" maximum opening for ventilation purposes.
- C. Basement window bars shall be installed to prevent the passage of a 6" sphere through the window opening.
 - Conduit bars may be used in a telescoping fashion with a minimum overlap of ¾ of the length of the bar.
 - Holes drilled through sash and into adjacent framing members shall be of sufficient size and depth to accept conduit bars and provide adequate security.
 - Once installed in opening, telescoping conduit bars shall be riveted in such a way as to prevent their easy removal.
 - Bar spacing shall be no greater than 6" on center.
- D. Board basement windows as listed on the **Scope**:
 - Use exterior grade plywood minimum of 5/8" thick.
 - Secure plywood in place with corrosion resistant screws of sufficient length to adequately secure plywood.

- Paint exterior side of plywood as specified in [Section 09900 Painting](#).

3.2 INSPECTION

A. Security items shall be tested for proper operation.

- Window pins and locking devices should be easily removable and provide for proper ventilation.
- Basement bars shall be secure.

[END OF SECTION – 11020 SECURITY ITEMS](#)